

DECLARATION AND POWER OF ATTORNEY

ATTORNEY'S DOCKET NO.

Original Application

D-18026

As a below named inventor, I declare that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in this Declaration, that the information given herein is true, that I believe that I am the original, first and sole inventor if only one name is listed at 201 below, or a joint inventor if plural inventors are named below at 201 et seq., of the invention entitled: CATALYST FOR THE PRODUCTION OF OLEFIN POLYMERS

which is described and claimed in:

- [X] the attached specification or
 [] the specification in application Serial No. _____ filed _____, and
 was amended on _____ (if applicable),

that I acknowledge a duty to disclose information I am aware of which is material to patentability as defined in 37 CFR 1.56, that I do not know and do not believe that the same was ever known or used in the United States of America before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to the earliest date of this application or the provisional application(s) identified below, or in public use or on sale in the United States of America more than one year prior to the earliest date of this application or the provisional application(s) identified below, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to the earliest date of this application or the provisional application(s) identified below and that as to applications for patent or inventor's certificate filed by me or my legal representatives or assigns in any country foreign to the United States of America, the earliest filed foreign application(s) filed within twelve months prior to the earliest date of filing date of this application or the provisional application(s) identified below and all foreign applications filed more than twelve months prior to the filing date of this application are identified at 600 and, as required, 601 below.

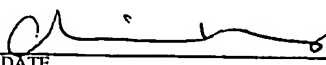
| | |
|------------------------|--|
| CHECK APPROPRIATE BOX: | |
| 6 | [X] No earlier-filed foreign applications. |
| 0 | [] Required information as to foreign applications filed prior to filing date of this application is at 601 on page 2 attached hereto and made a part hereof. |
| 0 | |


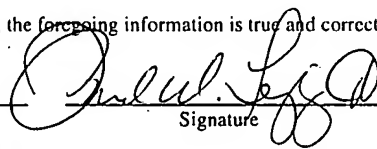
I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.
 Application No. _____ Filing Date _____
 Application No. _____ Filing Date _____

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number).
 NORMAN L. BALMER, REG. NO. 25388; SAUL R. BRESCH, REG. NO. 22104; GERALD L. COON, REG. NO. 29910;
 PATRICK A. DOODY, REG. NO. 35022; GUS T. HAMPILOS, REG. NO. 31206; JOSEPH S. KENTOFFIO, REG. NO. 33189;
 PAUL W. LEUZZI, II, REG. NO. 29556; MORRIS N. REINISCH, REG. NO. 26981; GERARD P. ROONEY, REG. NO. 21003;
 WARREN K. VOLLES, REG. NO. 33810;

| | | | | |
|--|---|---|--|---|
| SEND CORRESPONDENCE TO: UNION CARBIDE CORPORATION Law Department E205 39 Old Ridgebury Road Danbury, CT 06817-0001 | | DIRECT TELEPHONE CALLS TO: UNION CARBIDE CORPORATION Law Department E205 Telephone: (203) 794-6346 | | |
| 201 | FULL NAME OF INVENTOR | LAST NAME WANG | FIRST NAME CHUNMING | MIDDLE NAME (NMN) |
| | RESIDENCE & CITIZENSHIP | CITY BELLE MEAD | STATE OR FOREIGN COUNTRY NEW JERSEY | COUNTRY OF CITIZENSHIP PEOPLES REPUBLIC OF CHINA |
| | POST OFFICE ADDRESS | 23 McELROY LANE | CITY BELLE MEAD | STATE OR COUNTRY NEW JERSEY |
| 202 | FULL NAME OF INVENTOR | LAST NAME | FIRST NAME | MIDDLE NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS | CITY | STATE OR COUNTRY |
| 203 | FULL NAME OF INVENTOR | LAST NAME | FIRST NAME | MIDDLE NAME |
| | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS | CITY | STATE OR COUNTRY |
| 300 | [] Additional matter on page 2 attached hereto and made a part hereof. When page 2 is used, all signatures must be signed on page 2. List of Applicants continued on page 2: [] YES [X] NO | | | |

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | |
|--|---------------------------|---------------------------|
| SIGNATURE OF INVENTOR 201  | SIGNATURE OF INVENTOR 202 | SIGNATURE OF INVENTOR 203 |
| DATE 5/12/2000 | DATE | DATE |

| | | | |
|---|--|---|------------------------------|
| Form PTO-1395 Modified | | REC 06-14-2000 | 1: UNION CARBIDE CORPORATION |
| To the HONORABLE ASSISTANT COMMISSIONER documents or copy thereof. | |  101380177 | or the attached original |
| 1. Name of conveying party(ies): Chunming Wang | | Name and address of receiving party: UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION 39 Old Ridgebury Road Danbury, Connecticut 06817-0001 United States of America | |
| Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment | | Execution Date: <u>May 12, 2000</u> | |
| 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: <u>May 12, 2000</u> | | | |
| A. Patent Application No.(s) | | B. Patent No.(s) | |
| Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Mr. Stanley J. Paccione UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION Location E2-05 39 Old Ridgebury Road Danbury, CT 06817-0001 | | 6. Total number of applications and patents involved: _____ 7. Total fee (37 CFR 3.41): \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Deficiency/overpayment authorized to be charged/credited to deposit account. | |
| | | 8. Deposit account number: <u>21-0100</u> (Attach duplicate copy of this page if paying by deposit account) | |
| DO NOT USE THIS SPACE | | | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. | | | |
| <u>PAUL W. LEUZZI, II</u> Name of Person Signing | |  Signature | |
| | | <u>May 17, 2000</u> Date | |
| Total number of pages including cover sheet, attachments, and document: <u>3</u> | | | |
| Our Ref.: <u>D-18026</u> | | | |
| Do not detach this portion | | | |
| Mail documents to be recorded with required cover sheet information to: | | | |
| <div style="display: flex; justify-content: space-between;"> <div> 06/13/2000 DNGUYEN 00000119 09578273 01 FC:541 </div> <div style="text-align: center;"> 40.00 DP U.S. Patent and Trademark Office Office of Public Records Crystal Gateway 4, Room 335 Washington, D.C. 20231 </div> </div> | | | |
| Public burden reporting for this sample cover sheet is estimated to average about 30 min. per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503. | | | |

MFP 5.25.02

100000 U.S. PTP 09/578273

08/28/88

[illegible]

FORM 440

and

Attach Notarial Certificate (Corporation)

[illegible]

This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.

FORM 550

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA)
STATE OF Michigan) SS
County/Parish of Midland)

On this 18 day of April, 2002, personally appeared before me, GRAHAM E. TAYLOR, Associate General Counsel, Intellectual Property, THE DOW CHEMICAL COMPANY, authorized to act for and on behalf of UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION by authority of a Power of Attorney dated February 14, 2001,

known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said Corporation incorporated under the laws of **Delaware**.

I further certify that said authority, dated February 14, 2001, is based on
a Power of Attorney

which I have seen, appointing the said individual Attorney-in-fact with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation.

SEAL

Ann Heitner

Notary Public

**ANN HERITIER
NOTARY PUBLIC, BAY COUNTY, MICHIGAN
ACTING IN MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES DECEMBER 3, 2002**

●660● 660● 660● 660● 660● 660● 660● 660● 660● 660● 660● 660●

[illegible]

60 • 660 • 660 • 660 • 660 • 660 • 660 • 660 • 660 • 660 •

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **UNION CARBIDE CHEMICALS & PLASTICS
TECHNOLOGY CORPORATION
39 Old Ridgebury Road
Danbury, Connecticut 06817-0001
UNITED STATES OF AMERICA**

hereby accept the ASSIGNMENT attached hereto which is dated: **May 12, 2000**

From, the ASSIGNOR: Chunming Wang, 23 McElroy Lane, New Jersey 08502, United States of America

of the invention entitled:

CATALYST FOR THE PRODUCTION OF OLEFIN POLYMERS

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Midland, Michigan 48674, U.S.A.

this 18 day of April, 2027

**UNION CARBIDE CHEMICALS & PLASTICS
TECHNOLOGY CORPORATION**

CORP.
SEAL

By:

GRAHAM E. TAYLOR

**Associate General Counsel, Intellectual Property, THE
DOW CHEMICAL COMPANY, authorized to act for and
on behalf of UNION CARBIDE CHEMICALS &
PLASTICS TECHNOLOGY CORPORATION by
authority of a Power of Attorney dated February 14, 2001**

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA)
STATE OF Michigan) SS
County/Parish of Midland)

On this 18 day of April, 2002, personally appeared before me, **GRAHAM E. TAYLOR**, Associate General Counsel, Intellectual Property, **THE DOW CHEMICAL COMPANY**, authorized to act for and on behalf of **UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION** by authority of a Power of Attorney dated February 14, 2001,

known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said Corporation incorporated under the laws of **Delaware**.

I further certify that said authority, dated February 14, 2001, is based on
a Power of Attorney

which I have seen, appointing the said individual **Attorney-in-fact** with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation.

SEAL

Notary Public

**ANN HERITIER
NOTARY PUBLIC, BAY COUNTY, MICHIGAN
ACTING IN MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES DECEMBER 3, 2002**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, D.C. 20231

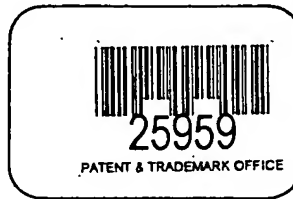
ASSOCIATE POWER OF ATTORNEY

| | |
|-------------------------------------|----------------------------|
| First Named Inventor: Chunming Wang | Attorney Docket No.: 18026 |
| Application No.: 09/578,273 | Examiner: J. Pasterczyk |
| Filing Date: May 25, 2000 | Group Art Unit: 1755 |

Title: CATALYST FOR THE PRODUCTION OF OLEFIN POLYMERS

In the matter of the above-identified patent application, please recognize the practitioner(s) below as Associate Attorney(s)/Agent(s) with full power of substitution and revocation, to make alterations and amendments therein, and to transact all business in the U. S. Patent & Trademark Office in connection therewith, according to the box checked below:

☒ Practitioners at Customer No.:



Please change the correspondence address for the above-identified application to that of the above-mentioned Customer Number.

Please direct all future telephonic communications to _____ at _____.

☒ Practitioner(s) named below:

| Name | Registration Number |
|---------------------|---------------------|
| Osborne K. McKinney | 40,084 |
| Lisa Kimes Jones | 41,878 |
| Raul Montes | 32,545 |
| Darrell Warner | 36,046 |
| Kelly Morgan | 35,620 |

Please change the correspondence address and direct all future telephonic communications for the above-identified application to:

| | | | | | |
|-----------|-----------------------------|-------|----------------|----------|-------|
| NAME | Darrel Warner | | | | |
| ADDRESS | Univation Technologies | | | | |
| | 5555 San Felipe, Suite 1950 | | | | |
| CITY | Houston | STATE | TX | ZIP CODE | 77056 |
| TELEPHONE | (713) 892-3700 | FAX | (713) 892-3699 | | |

Signature:

Douglas N. Deline

Name: Douglas N. Deline

Registration No.: 29146

Date: February 4, 2002

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL WITH SUFFICIENT POSTAGE IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231, OR: P.O. Box 2327, ARLINGTON, VA 22202 ON;

Douglas N. Deline 03-04-02
Reg # 40,084

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, D.C. 20231

ASSOCIATE POWER OF ATTORNEY

First Named Inventor: Chunming Wang

Attorney Docket No.: 18026

Application No.: 09/578,273

Examiner: Not Assigned

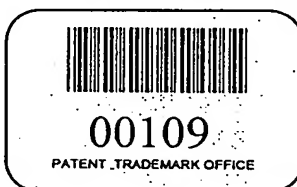
Filing Date: May 25, 2000

Group Art Unit: 1713

Title: CATALYST FOR THE PRODUCTION OF OLEFIN POLYMERS

In the matter of the above-identified patent application, please recognize the practitioner(s) below as Associate Attorney(s)/Agent(s) with full power of substitution and revocation, to make alterations and amendments therein, and to transact all business in the U. S. Patent & Trademark Office in connection therewith, according to the box checked below:

☒ Practitioners at Customer No.:



Please change the correspondence address for the above-identified application to that of the above-mentioned Customer Number.

Please direct all future telephonic communications to Douglas N. Deline at 517 636 2938.

☐ Practitioner(s) named below:

| Name | Registration Number |
|------|---------------------|
| | |
| | |

Please change the correspondence address and direct all future telephonic communications for the above-identified application to:

| | | | | | |
|-----------|--|-------|--|----------|--|
| NAME | | | | | |
| ADDRESS | | | | | |
| CITY | | STATE | | ZIP CODE | |
| TELEPHONE | | FAX | | | |

Signature:

Name: Norman L. Balmer

Registration No.: 25388

Date:

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL WITH SUFFICIENT POSTAGE IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231, ON:

Carla S. Samuel

MAILED

APR 02 2001

BY:



18026
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

AUGUST 04, 2000

PTAS

UNION CARBIDE CHEMICALS & PLASTICS
TECHNOLOGY CORPORATION
MR. STANLEY J. PACCIONE
39 OLD RIDGEBURY RD. LOCATION E2-05
DANBURY, CT 06817-0001



101380177A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/25/2000

REEL/FRAME: 010840/0428
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

WANG, CHUNMING

DOC DATE: 05/12/2000

ASSIGNEE:

UNION CARBIDE CHEMICAL & PLASTICS
TECHNOLOGY CORPORATION
39 OLD RIDGEBURY ROAD
DANBURY, CONNECTICUT 06817-0001

SERIAL NUMBER: 09578273

PATENT NUMBER:

FILING DATE:

ISSUE DATE:

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

ASSIGNMENT OF INVENTION, PRIORITY RIGHTS
AND RIGHTS TO APPLY FOR PATENTS

I, the undersigned, CHUNMING WANG, Chemist and Citizen of the Peoples Republic
of China, residing at 23 McElroy Lane, New Jersey 08502, United States of America.

HEREBY STATE UNDER OATH that I am the original and first inventor of an invention
for CATALYST FOR THE PRODUCTION OF OLEFIN POLYMERS

as described and/or claimed in my application for Letters Patent in the United States of America,
executed on the 12th day of May, 2000, Serial No. _____, filed on the
_____ day of _____, 2000, (Case No. D-18026).

NOW, THEREFORE, in consideration of my employment by Union Carbide Corporation,
manufacturers, a corporation organized and existing under the laws of the State of New York,
United States of America and having an office at 39 Old Ridgebury Road, Danbury, State of
Connecticut, 06817-0001, United States of America, and having as its wholly-owned subsidiary,

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION

technology licensors, a corporation organized and existing under the laws of the State of Delaware,
United States of America, and having an office at 39 Old Ridgebury Road, Danbury, State of
Connecticut, 06817-0001, United States of America,

I DO HEREBY ASSIGN AND TRANSFER, without any restrictions, reservations or
limitations, my entire right, title, and interest in and to said invention and application unto, as the
Assignee, the aforesaid

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION

its successors, assigns and nominees, and the entire right, title and interest in and to all patents
which may be granted thereon, and all divisions, continuations, continuations-in-part, reissues,
reexaminations and extensions thereof;

AND ALL PRIORITY RIGHTS derived from the aforesaid application for Letters Patent by
virtue of the International Convention for the Protection of Industrial Property, for any and all
member countries of the aforesaid International Convention;

AND THE SOLE RIGHT to file such applications under the Patent Laws of any country of
the world in its name and/or mine, and the sole right to have patents granted on said applications in
its name and/or mine to the full end of the term for which said patents may be granted as fully and
entirely as the same would have been held by me had this assignment not been made, and to enforce
said patents with my right to sue for and recover accrued profits or damages for any and all
infringements thereof;

AND AUTHORIZE the above-named Assignee to insert in this instrument the serial number and filing date of said application;

AND AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue all patents on said invention to said UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION as Assignee of the entire right, title and interest, and covenant that I have full right so to do, and agree that I will communicate to said Corporation or its representatives any facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Corporation, its successors, assigns, and nominees, to obtain and enforce proper protection for said invention in all countries.

SIGNED AND SEALED at Bound Brook, NJ this 12th day of May, 2000.

WITNESSES:

Chunming Wang
CHUNMING WANG

1. *Barbara Muller*
2. *Carrie [Signature]*

State of New Jersey)
County of Somerset) ss:

This 12th day of May, 2000, before me personally came the above-named CHUNMING WANG to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Barbara Muller
Notary Public

BARBARA MULLER
Notary Public of New Jersey
Commission Expires 6/13/2001

